Distributed by:

JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

LT183X-81-M1 5.0MM ROUND LAMP

Features

* ULTRABRIGHT YELLOW
* HIGH LIGHT OUTPUT
* RELIABLE AND RUGGEN
* IC COMPATIBLE

Jameco Part Number
152792

Absolute Maximum Ratings at T_A=25℃

REVERSE VOLTAGE (<100 μA)	4.0V
D.C. FORWARD CURRENT	30 mA
PULSE CURRENT (1/10 DUTY CYCLE,0.1 ms PULSE WIDTH)	100 mA
OPERATING TEMPERATURE RANGE	-25℃ TO +85℃
STORAGE TEMPERATURE RANGE	-25℃ TO +100℃
LEAD SOLDERING TEMP. (1.6mm FROM BODY)	260℃ FOR 5 SEC.

Electrical/optical characteristics at T_A=25℃

PART NUMBER	LED CHIP		LEN'S COLOR	PEAK WAVELENGTH @20 mA (nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE $2\theta_{1/2}$ (deg)
	MATERIAL	EMITTING COLOR			TYP.	MAX.	MIN.	TYP.	
LT1831-81-M1	InGaAlP ON GaAs	YELLOW	Y.D.	593	2.1	2.4	175	315	41
LT1832-81-M1	InGaAlP ON GaAs	YELLOW	W.D.	593	2.1	2.4	175	315	41
LT1833-81-M1	InGaAlP ON GaAs	YELLOW	W.C.	593	2.1	2.4	570	1040	19
LT1834-81-M1	InGaAlP ON GaAs	YELLOW	Y.C.	593	2.1	2.4	570	1040	19

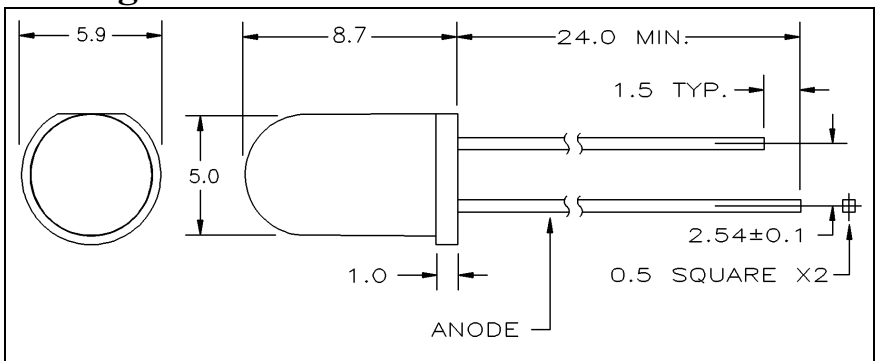
(1) LEN'S COLOR

Y.D….YELLOW DIFFUSED
W.D….WHITE DIFFUSED
Y.C….YELLOW CLEAR
W.C….WATER CLEAR

(2) SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

(3) ALL ABOVE COMPONENTS ARE CONSIDERED . DEVIATIONS FROM STATED SPECIFICATIONS WILL REQUIRE A NEW PART NUMBER BE ASSIGNED .

Package Dimensions



1. ALL DIMENSIONS ARE IN mm,TOLERANCE IS ±0.25mm UNLESS OTHERWISE NOTED.
2. AN EPOXY MENISCUS MAY EXTEND ABOUT 1.0mm DOWN THE LEADS.
3. BURR AROUND BOTTOM OF EPOXY BODY MAY BE 0.5mm MAX.

Radiation Pattern